

**BID LIST NO. 0270**

**SPECIFICATION FOR CLEANER, SPRAY**

**PROPERTY NO. 191311**

**General Requirements**

This product is to be used for spray cleaning desks, file cabinets, typewriters and other surfaces. It is to be wiped off without rinsing, leaving no residue. It shall not harm aluminum, plastics, tile, or oil-based painted surfaces when used full strength. The product shall contain no acids, ammonia, or petroleum distillates.

**Specific Requirements**

Total solids @ 105°C..... 1.5% minimum as determined by the following test method.

Weigh accurately about 2 grams of sample in an aluminum-weighing dish. Dry the sample in an air-circulating oven at 105°C ± 2°C for 3 hours and to a constant weight.

$$\text{Total solids, percent} = \frac{\text{residue weight} \times 100}{\text{sample weight}}$$

Free alkali..... 0.5% max. as NaOH  
as determined by the following test method.

Accurately weigh approximately 5 grams of sample into a 250 mL Erlenmeyer flask. Add approximately 100 mL of deionized water and 0.5 mL phenolphthalein indicator. Titrate with standard 0.1 N acid until the pink color disappears.

Percentage free alkali as NaOH =

$$\frac{\text{mL of acid} \times N \times 4}{\text{weight of sample in grams}}$$

where N = Normality of standard acid

**Packaging Requirement**

It shall be packaged in a 0.473 liter (one pint) plastic pump spray bottle.

**Sample Requirement**

A 0.473-liter (one-pint) sample and Material Safety Data Sheet are required.

## **Qualified Products**

The following products have been tested and are satisfactory.

Zeno

Autopak Wipe

Premier Chemical Spritz 'n Shine

Franklin Spray & Wipe Cleaner

Rite-Kem Mist 'N Wipe

Daycon Terrific

Daycon Awesome

Alfa Kleen All Purpose Spray Cleaner

National Chemical Laboratories of Pa. Ruff 'N' Ready

Date of Last Revision: April 4, 1994.